

NOTES:

- 1) MATERIALS: HOUSING PARTS ARE MADE OF POLYESTER, RATED U.L. 94 V-0, COLOR IS BLACK, TERMINALS ARE .015(0.38) THICK PHOSPHOR BRONZE.
- 2) TERMINAL PLATING OPTIONS PER ES-88-***:
A - SELECT GOLD IN CONTACT AREA: 50 MICROINCHES MIN.
SELECT MATTE TIN IN PC TAIL AREA: 100 MICROINCHES MIN.,
WITH OVERALL NICKEL UNDERPLATE: 50 MICROINCHES MIN.
- 3) THESE MODULAR JACKS MEET THE PERFORMANCE REQUIREMENTS OF MOLEX PRODUCT SPECIFICATION PS-4240.
- 4) CONNECTORS ARE TO BE PACKED IN THERMOFORMED TRAYS, PER PACKAGING SPECIFICATION PK-42410-492.
- 5) ALL JACKS ARE DESIGNED TO BE USED WITH .062(1/16) OR .125(3/16) THICK P.C. BOARDS.
- 6) ALL JACKS CONFORM TO AND ACCEPT PLUGS WHICH CONFORM TO FCC RULES AND REGULATIONS PART 68, SUBPART F, WHEN PLATED WITH 50 MICROINCHES GOLD.
- 7) ALL JACKS MUST BE CAPABLE OF FITTING INTO MOLEX GAGE G-42410 (CONNECTOR SIZE 4).
- 8) SEE SHEETS 2 & 4 FOR CONNECTOR SIZE 6.
- 9) SEE SHEETS 3 & 4 FOR CONNECTOR SIZE 8.
- 10) SEE SHEET 4 FOR ASSEMBLY ITEM NUMBERS.
- 11) THIS MODULAR JACK ASSEMBLY IS ALSO AVAILABLE IN A UL 94V-0 RATED, GLASS-FILLED NYLON. (SEE MOLEX DRAWING SDA-43576)
- 12) ENGRAVED NUMBERS ON HOUSING BODY ARE FOR MOLDING IDENTIFICATION ONLY. THEY ARE NOT INTENDED FOR ASSEMBLY IDENTIFICATION PURPOSES.
- 13) ALL UNTOLERANCED DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.

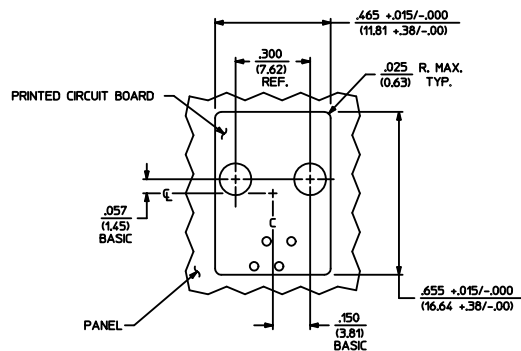


Figure 1 is a technical drawing of a multi-pin connector assembly. It includes a top view and a side view. The top view shows two circular pins with a diameter of $.128 \pm .003$ (3.25 $\pm$.08) DIA. (2 PLACES). The distance between the centers of these pins is $.300 \pm .004$ (7.62 $\pm$.10). A typical pin diameter is $.350 \pm .003$ (8.89 $\pm$.08) TYP. The side view shows a total height of $.250 \pm .003$ (6.35 $\pm$.08) TYP. and a pin height of $.125 \pm .002$ (3.18 $\pm$.05). The distance between the pins in the side view is $.035 \pm .003$ (0.89 $\pm$.08) DIA. TYP. and $.050 \pm .002$ (1.27 $\pm$.05) TYP. The drawing also includes a label "CIRCUIT NO. 1" and a note "TOLERANCES ARE NOT ACCUMULATIVE".

ADD. TERMINAL DIM EC NO. IEC2011-3630 DRAWN: JAGUAR 2011/06/06 CHECKED: BELL 2011/06/09 APPROVED: TH 2012/02/14	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION															
	▽=0	<table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>±----</td> <td>±----</td> </tr> <tr> <td>3 PLACES</td> <td>±----</td> <td>±.010</td> </tr> <tr> <td>2 PLACES</td> <td>±0.25</td> <td>±----</td> </tr> <tr> <td>1 PLACE</td> <td>±----</td> <td>±----</td> </tr> </tbody> </table>		mm	INCH	4 PLACES	±----	±----	3 PLACES	±----	±.010	2 PLACES	±0.25	±----	1 PLACE	±----	±----	DRAWN BY GLT CHECKED BY BAP APPROVED BY FSM TH	DATE 1990/10/12 DATE 1990/10/12 DATE 2012/02/14	TITLE ASSEMBLY; VERTICAL MODULAR JACKS (CONNECTOR SIZE 4)		
		mm	INCH																			
	4 PLACES	±----	±----																			
	3 PLACES	±----	±.010																			
2 PLACES	±0.25	±----																				
1 PLACE	±----	±----																				
▽=0	ANGULAR ±1/2°	MATERIAL NO.	DOCUMENT NO.		MOLEX INCORPORATED SDA-42410-****																	
▽=0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE	SEE SHEET 4 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 1 OF 4																	
REV	DESCRIPTION																					

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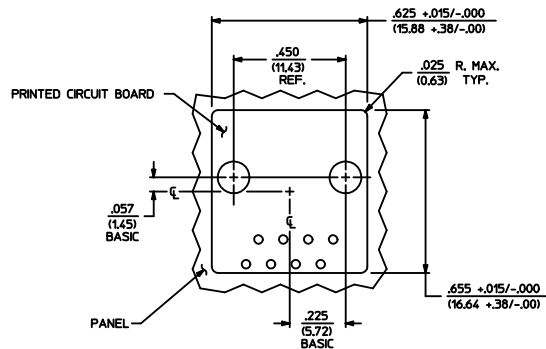
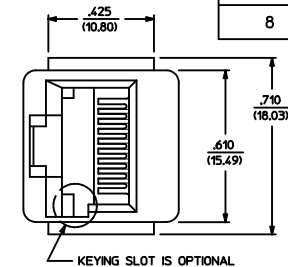
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NOTES:

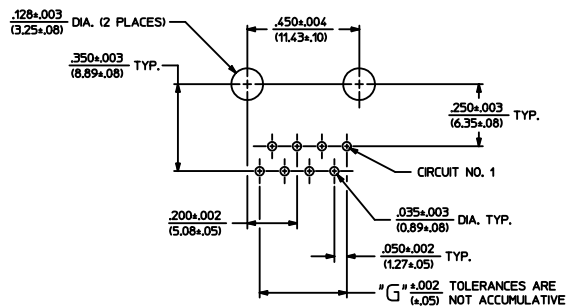
- 1) MATERIALS: HOUSING PARTS ARE MADE OF POLYESTER, RATED UL 94 V-0. COLOR IS BLACK. TERMINALS ARE .015/(0.38) THICK PHOSPHOR BRONZE.
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- 3) THESE MODULAR JACKS MEET THE PERFORMANCE REQUIREMENTS OF MOLEX PRODUCT SPECIFICATION PS-42410.
- 4) CONNECTORS ARE TO BE PACKED IN THERMOFORMED TRAYS, PER PACKAGING SPECIFICATION PK-42410-492.
- 5) ALL JACKS ARE DESIGNED TO BE USED WITH .062/(1.57) OR .125/(3.18) THICK P.C. BOARDS.
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- 10) SEE SHEET 4 FOR ASSEMBLY ITEM NUMBERS.
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P.C. BOARD THICKNESS	DIM. "D" (MTG. PEGS)	DIM. "F" (P.C. TAILS)
.062/(1.57)	.128 (3.25)	.120 +.015/-0.025 (3.05 +.38/-0.63)
.125/(3.18)	.191 (4.85)	.205 +.015/-0.025 (5.21 +.38/-0.63)

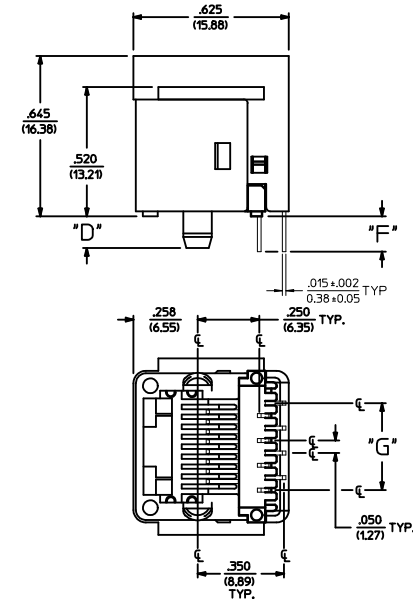
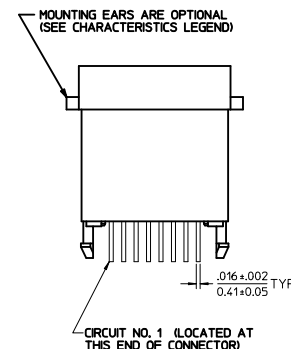
CONNECTOR SIZE	CIRCUIT SIZE	DIM. "G"
8	8	.350 (8.89)
8	6	.250 (6.35)
8	4	.150 (3.81)
8	2	.050 (1.27)



PANEL CUT-OUT FOR CONNECTOR SIZE 8



P.C. BOARD LAYOUT FOR CONNECTOR SIZE 8



SIZE 8 MODULAR JACK LOADED WITH 8 TERMINALS SHOWN ABOVE

(SEE SHEET 4 FOR PART NUMBER AVAILABILITY)

SEE SHEET 1 EC NO: UCP2010-3830 DRAWN: JAULAP CHKD: BELL APPROV: SMTH	2011/06/06	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION
	2011/06/09					IN/MM	4:1	INCH		
	2012/02/14		▽=0	mm	INCH	DRAWN BY	DATE	TITLE		
			▽=0			GLT	1990/10/12	ASSEMBLY, VERTICAL MODULAR JACKS (CONNECTOR SIZE 4)		
			▽=0			CHECKED BY	DATE			
			2 PLACES ± 0.25	± .010	BAP	1990/10/12				
			1 PLACE ± ---	± ---	APPROVED BY	DATE				
			ANGULAR ±1/2°		FSMITH	2012/02/14	 MOLEX INCORPORATED			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.	SHEET NO.		
					SEE SHEET 4		SDA-42410-****		3 OF 4	
					SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

		20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
SIZE 4 VERTICAL MODJACK ASSEMBLIES																					
		PART CHARACTERISTICS																			
Y-NOT TOOLED	ASSEMBLY ITEM NUMBER	EXTERNAL CONNECTOR SIZE	NUMBER OF POSITIONS	P.C. BOARD THICKNESS	MOUNTING EARS OPTION	TERMINAL PLATING OPTION															
	42410-4168	4 POS. BODY	4	.062/(1.57)	YES	A															
	42410-4170	↑	↑	.062/(1.57)	NO	A															
	42410-4264	↓	↓	.125/(3.18)	YES	A															
	42410-4266	4 POS. BODY	4	.125/(3.18)	NO	A															
	42410-4312	4 POS. BODY	2	.062/(1.57)	YES	A															
	42410-4314	↑	↑	.062/(1.57)	NO	A															
	42410-4408	↓	↓	.125/(3.18)	YES	A															
	42410-4410	4 POS. BODY	2	.125/(3.18)	NO	A															
SIZE 6 VERTICAL MODJACK ASSEMBLIES																					
		PART CHARACTERISTICS																			
Y-NOT TOOLED	ASSEMBLY ITEM NUMBER	EXTERNAL CONNECTOR SIZE	NUMBER OF POSITIONS	P.C. BOARD THICKNESS	MOUNTING EARS OPTION	TERMINAL PLATING OPTION															
	42410-6168	6 POS. BODY	6	.062/(1.57)	YES	A															
	42410-6170	↑	↑	.062/(1.57)	NO	A															
	42410-6264	↓	↓	.125/(3.18)	YES	A															
	42410-6266	6 POS. BODY	6	.125/(3.18)	NO	A															
	42410-6312	6 POS. BODY	4	.062/(1.57)	YES	A															
	42410-6314	↑	↑	.062/(1.57)	NO	A															
	42410-6320	↑	↑	.062/(1.57)	YES	B															
	42410-6408	↓	↓	.125/(3.18)	YES	A															
	42410-6410	6 POS. BODY	4	.125/(3.18)	NO	A															
	42410-6456	6 POS. BODY	2	.062/(1.57)	YES	A															
	42410-6458	↑	↑	.062/(1.57)	NO	A															
	42410-6552	↓	↓	.125/(3.18)	YES	A															
	42410-6554	6 POS. BODY	2	.125/(3.18)	NO	A															
SIZE 8 VERTICAL MODJACK ASSEMBLIES																					
		PART CHARACTERISTICS																			
Y-NOT TOOLED	ASSEMBLY ITEM NUMBER	EXTERNAL CONNECTOR SIZE	NUMBER OF POSITIONS	P.C. BOARD THICKNESS	KEYING OPTION	MOUNTING EARS OPTION	TERMINAL PLATING OPTION														
	42410-8312	8 POS. BODY	8	.062/(1.57)	NO	YES	A														
	42410-8314	↑	↑	.062/(1.57)	NO	NO	A														
	42410-8360	↑	↑	.062/(1.57)	YES	YES	A														
	42410-8362			.062/(1.57)	YES	NO	A														
	42410-8504			.125/(3.18)	NO	YES	A														
	42410-8506			.125/(3.18)	NO	NO	A														
	42410-8552	↓	↓	.125/(3.18)	YES	YES	A														
	42410-8554	8 POS. BODY	8	.125/(3.18)	YES	NO	A														
	42410-8600	8 POS. BODY	6	.062/(1.57)	NO	YES	A														
	42410-8602	↑	↑	.062/(1.57)	NO	NO	A														
	42410-8648			.062/(1.57)	YES	YES	A														
	42410-8650			.062/(1.57)	YES	NO	A														
	42410-8792			.125/(3.18)	NO	YES	A														
	42410-8794			.125/(3.18)	NO	NO	A														
	42410-8840	↓	↓	.125/(3.18)	YES	YES	A														
	42410-8842	8 POS. BODY	6	.125/(3.18)	YES	NO	A														
	42410-8888	8 POS. BODY	4	.062/(1.57)	NO	YES	A														
	42410-8890	↑	↑	.062/(1.57)	NO	NO	A														
	42410-8936			.062/(1.57)	YES	YES	A														
	42410-8938	↑	↑	.062/(1.57)	YES	NO	A														
	42410-9080			.125/(3.18)	NO	YES	A														
	42410-9082			.125/(3.18)	NO	NO	A														
	42410-9128	↓	↓	.125/(3.18)	YES	YES	A														
	42410-9130	8 POS. BODY	4	.125/(3.18)	YES	NO	A														
	42410-9176	8 POS. BODY	2	.062/(1.57)	NO	YES	A														
	42410-9178	↑	↑	.062/(1.57)	NO	NO	A														
	42410-9224			.062/(1.57)	YES	YES	A														
	42410-9226			.062/(1.57)	YES	NO	A														
	42410-9368			.125/(3.18)	NO	YES	A														
	42410-9370			.125/(3.18)	NO	NO	A														
	42410-9416	↓	↓	.125/(3.18)	YES	YES	A														
	42410-9418	8 POS. BODY	2	.125/(3.18)	YES	NO	A														
SEE SHEET 1 SEC NO: UCP2011-3830 DRAWN: JAGUILAR CHKD: BELL APPR:FSMITH REV 2011/06/09 2012/02/14																					
		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION									
		▽=0		mm INCH		DRAWN BY DATE		1:1 INCH													
		▽=0		4 PLACES ± --- ± ---		GLT 1990/10/12															
		▽=0		3 PLACES ± --- ± .010		CHECKED BY DATE															
		▽=0		2 PLACES ± 0.25 ± ---		BAP 1990/10/12															
				1 PLACE ± --- ± ---		APPROVED BY DATE															
				ANGULAR ±1/2°		FSMITH 2012/02/14															
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		SEE CHART		DOCUMENT NO.											
						SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SDA-42410-****		SHEET NO. 4 OF 4									

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Rev. F 2009/06/17

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